

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L17	4	("6762496" "6961190").PN. OR ("7335925").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/16 22:02
L16	1	("20040108511").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/16 21:49
L15	1	("20040120155").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/16 21:14
L14	1	("20040061433").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/16 19:22
L13	31	("20010015443" "20010017874" "20010042866" "20030062530" "20030189215" "20040056254" "20040077114" "20050282373" "20060121702" "5376580" "5502316" "5599403" "5684309" "5739554" "5851905" "5909081" "5959316" "6066861" "6120600" "6281032" "6319425" "6328796" "6409938" "6455340" "6495862" "6661030" "6669866" "6692136" "6756731").PN. OR ("7301175").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/16 19:19
L12	4	("6762496" "6961190").PN. OR ("7335925").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/16 19:15
L11	12	("20020072138" "4047069" "4857801" "5795798" "6212213" "6465809" "6468821" "6502956" "6577073" "6692136" "6740906" "6927426").PN. OR ("7473934").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/16 19:05
L10	2472	7 9	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/08/16 18:49

L9	565441	((silicon adj carbide) or sic or (aluminum adj nitride) or aln or (gallium adj nitride) or gan or (boron adj nitride) bn or sapphire or si or silicon) with L8	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/08/16 18:48
L8	5558297	substrate or carrier or board	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/08/16 18:48
L7	2472	(L5 or L6) L2 L3 L4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/08/16 18:34
L6	10104	(438/22-47).COLS.	US-PGPUB; USPAT	OR	OFF	2009/08/16 18:34
L5	15195	(257/79-103, E33.025, E33.055-E33.065, E33.067-E33.069).COLS.	US-PGPUB; USPAT	OR	OFF	2009/08/16 18:34
L4	28992115	@ad< "20040809"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/08/16 18:34
L3	33625	sapphire with substrate	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/08/16 18:34
L2	644382	light adj emit\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/08/16 18:34
S241	1	10/567510	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/30 14:22
S240	0	(10/580929).APP.	USPAT; USOCR	AND	ON	2009/07/30 14:17
S239	232	(S237 or S238) S231 S232 S233 (S234 with S235) S236	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:54
S238	10034	(438/22-47).COLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 15:54
S237	15108	(257/79-103, E33.025, E33.055-E33.065, E33.067-E33.069).COLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 15:54

S236	28989022	@ad<"20040809"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:54
S235	5531828	substrate or carrier or board	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:54
S234	6480268	via or (through adj hole) or hole	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:54
S233	202361	phosphor or luminescent	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:54
S232	33409	sapphire with substrate	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:54
S231	640751	light adj emitt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:54
S229	232	(S226 or S227) S220 S221 S222 (S223 with S224) S225	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:51
S228	562755	((silicon adj carbide) or sic or (aluminum adj nitride) or aln or (gallium adj nitride) or gan or (boron adj nitride) bn or sapphire or si or silicon) with S224	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:50
S227	10034	(438/22-47).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 15:49
S226	15108	(257/79-103,E33.025, E33.055-E33.065,E33.067-E33.069).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 15:49
S225	28989022	@ad<"20040809"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:46

S224	5531828	substrate or carrier or board	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:45
S223	6480268	via or (through adj hole) or hole	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:45
S222	202361	phosphor or luminescent	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:44
S221	33409	sapphire with substrate	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:43
S220	640751	light adj emit\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 15:38
S218	10	("20020003233" "20020030197" "20030155856" "20040041220" "20040106222" "20050184298" "20050184305" "5289081" "6310364" "6600175").PN. OR ("7435995").URPN.	US-PGPUB; USPAT; USOOCR	AND	ON	2009/07/29 15:08
S217	1	("2005/0184305").URPN.	USPAT	AND	ON	2009/07/29 15:08
S204	206453	sic or (silicon adj2 carbide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S203	13008	(257/79,88-100,103, E33.025,E33.055-E33.061, E33.069).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 14:42
S202	556	(light adj emitting) (electrode same (ni near au) same ito)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S201	3472	(light adj emitting) (reflect \$ with metal with substrate)	US-PGPUB; USPAT	AND	ON	2009/07/29 14:42

S198	6250	(257/88-90,93,99,100, E33.055,E33.056,E33.059, E33.06,E33.061,E33.062, E33.063,E33.064,E33.065). OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 14:42
S197	307670	("257").CLAS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 14:42
S196	842208	bragg dbr reflecting reflector reflective	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/29 14:42
S195	55390	gan or (gallium near nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S194	534679	light near emitting	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S183	3634	(257/98).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 14:42
S173	342	(257/91).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 14:42
S172	3634	(257/98).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 14:42
S171	1159	(257/100).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 14:42
S170	2703	(257/103).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 14:42
S169	2320	(257/79).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 14:42
S168	4649531	(through near hole) or via	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S167	818779	reflecting reflector reflective	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/29 14:42
S166	2000360	electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S165	414910	phosphor or phosphorus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S164	1270	(257/88).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 14:42

S163	56656	ito with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S161	70	S159 with S160	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S160	9508	algan	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S159	7030	distributed near3 Bragg near3 reflector	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S157	58144	S150 with S156	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S156	1968553	array or matrix	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S155	10992	group with (three or iii) with nitride	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S154	1225722	reflect or reflective or reflecting or reflector	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S153	789063	wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S152	116636	phosphor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S151	55390	(gallium near nitride) or GaN	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S150	801459	led or (light near3 emitting near3 diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S149	37	(Sr near Ba) with ("sio. sub.4") with "Eu.sup.2+"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42

S147	10992	group with (three or iii) with nitride	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S146	1225722	reflect or reflective or reflecting or reflector	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S145	789063	wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S144	116636	phosphor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S143	55390	(gallium near nitride) or GaN	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S142	801459	led or (light near3 emitting near3 diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S141	27143110	@ad<"20030828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 14:42
S131	202361	phosphor or luminescent	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 13:39
S130	6480268	via or (through adj hole) or hole	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 13:38
S129	28989022	@ad<"20040809"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 13:37
S128	5600	(438/26-29,34-35,39-41,46-47).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 13:37
S127	5280	(257/88-91,93,E33.057-E33.059,E33.067-E33.069).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/29 13:37
S126	562755	((silicon adj carbide) or sic or (aluminum adj nitride) or aln or (gallium adj nitride) or gan or (boron adj nitride) bn or sapphire or si or silicon) with S125	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 13:37

S125	5531828	substrate or carrier or board	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/29 13:37
S119	562755	((silicon adj carbide) or sic or (aluminum adj nitride) or aln or (gallium adj nitride) or gan or (boron adj nitride) bn or sapphire or si or silicon) with S116	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/28 22:26
S118	10034	(438/22-47).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/28 22:18
S117	15108	(257/79-103,E33.025, E33.055-E33.065,E33.067- E33.069).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/28 21:49
S116	5531828	substrate or carrier or board	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/28 18:39
S115	6480268	via or (through adj hole) or hole	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/28 18:38
S114	202361	phosphor or luminescent	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/28 18:37
S113	155323	epitaxial or epitaxy	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/28 18:35
S112	7214599	power or supply or positive or negative	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/28 18:35
S111	640751	light adj emit\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/07/28 18:33

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S216	36	(S208 or S210) S212 S213 S214 S215	US-PGPUB; USPAT; UPAD	AND	ON	2009/07/29 14:48

S215	957554	(via or (through adj hole) or hole).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2009/07/29 14:47
S214	1008663	(substrate or carrier or board).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2009/07/29 14:47
S213	27271	(phosphor or luminescent).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2009/07/29 14:47
S212	279020	((silicon adj carbide) or sic or (aluminum adj nitride) or aln or (gallium adj nitride) or gan or (boron adj nitride) bn or sapphire or si or silicon).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2009/07/29 14:47
S210	5524	(257/88-91,93,E33.057-E33.059,E33.067-E33.069).OCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/07/29 14:45
S208	5993	(438/26-29,34-35,39-41,46-47).OCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/07/29 14:45

8/16/2009 10:30:22 PM

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